PPPPPPP	PPPP	AAAAAAAA		TTTTTTTTTTTTTT	00000000000	нин ні	НН
PPPPPPP	PPPP	AAAAAAA		TTTTTTTTTTTTTT	00000000000		HH
PPPPPPP	PPPP	AAAAAAAA		TTTTTTTTTTTTTTT	222222222		HH
PPP	PPP		AAA	ŤŤŤ	CCC		HH
PPP	PPP		AAA	ŤŤŤ	ČČČ		НΗ
PPP	PPP		AAA	ŤŤŤ	ŠŠŠ		НН
PPP	PPP	AAA	AAA	ήή	555		НН
PPP	PPP		AAA	iii	222		HH
PPP	PPP		AAA	ΪΪ	ČČČ		HH
PPPPPPP			AAA	ήή			
PPPPPPP			AAA	ήήή	666		
					CCC	нининининин	
PPPPPPP	27777		AAA	III	ČČČ	НИНИНИНИНИНИ	
PPP				TTT	CCC	HHH HI	HH
PPP		AAAAAAAAAA	AAA	TTT	CCC	HHH H	HH
PPP		AAAAAAAAAA		111	ČČČ		НН
PPP			AAA	ŤŤŤ	ČČČ		HH
PPP			AAA	ŤŤŤ	ČČČ		HH
PPP			AAA	ŤŤŤ	ččč		НН
PPP			AAA	ŤŤŤ	222222222		НН
PPP			AAA	ŤŤŤ	000000000000000000000000000000000000000		HH
PPP			AAA	iii	000000000000000000000000000000000000000		HH
* * *		777		111		nna ni	חח

L

. . . .

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	000000 000000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
LL LL LL LL LL LL LL LL LL LL		\$	

L 0001

0002

0004

0005 0006

0007

0008

0009

0010

0011 0012

0014

0015

0016 0017

0018

0019 0020

0021

0022

0023 0024

0025

0026 0027 0028

0049

0050

0051

BEGIN

1 *

1 🛊

1 1 *

1 🛊

```
K 3
                                          16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
                                                                      VAX-11 Bliss-32 V4.0-742
                                                                      DISKSVMSMASTER: [PATCH. SRC]PATIO. 832:1
                                                                      ! I/O ROUTINES FOR PATCH
                       ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE
                                           NONEXTERNAL = LONG_RELATIVE),
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```
FACILITY: PATCH
```

TRANSFERRED.

MODULE PATIO (%IF %VARIANT EQL 1

XTHEN

) =

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IDENT = 'V04-000'

ABSTRACT: THESE ROUTINES HANDLE THE I/O AND CLOSE ALL FILES.

ENVIRONMENT: IT IS PART OF THE IMAGE FILE PATCH UTILITY.

AUTHOR: K.D. MORSE . CREATION DATE: 3-OCT-77

MODIFIED BY:

V03-004 MCN0161 Maria del C. Nasr 29-Mar-1984 Pass correct FAB_ADDR to GETFILDSC.

V03-003 MCN0157 Maria del C. Nasr 14-Feb-1984 We did a user file open of the input file, so deassign channel to close file.

V03-002 MTR0012 Mike Rhodes 16-Aug-1982 Modify file names to remove duplicate file name useage between code and require files.

V03-001 MTR0007 Mike Rhodes 14-Jun-1982 Use shared system messages. Affected modules include:

PATIC V04-000		•	L 3 6-Sep-1984 00:06:01 4-Sep-1984 12:52:35	VAX-11 Bliss-32 V4.0-742 Page 2 DISK\$VMSMASTER:[PATCH.SRC]PATIO.B32;1 (1)
: 58 : 59	0058 1 ! DYNF 0059 1 ! PAT !	MEM.B32, PATBAS.B32, P 10.B32, PATMAI.B32, P/	PATCMD.B32, PATIHD.B32, NTMSG.MSG, PATWRT.B32,	, PATINT.B32, and PATSPA.B32.
61 62 63	0061 1 ! The	shared messages are of the state of the stat	defined by DYNMEM.B32's link against these sym erals below.	s invocation of mbols. They are
60 61 62 63 64 65 66 67 68 69	0065 1 ! V02-008 MTR(0066 1 ! Mod- 0067 1 ! to (0001 Mike Rhoo ify routine PAT\$CLOSEI delete virtual address ge file, since these a	des 14-Oct- ILES to not worry abou ses that are mapped to are deleted during imag	-1981 ut trying the input ge rundown.
1: 71	0069 1:			
73	0073 1 MODIFICATIONS:			
72 73 74 75 76 77	0074 : 0075 : NO DATE	PROGRAMMER	PURPOSE	
77 78 79 80 81 82 83 84 85 86 87 88	0077 1 0078 1 01 14-FEB-78 0079 1 0080 1 02 7-MAR-78 0081 1 03 25-APR-78 0083 1 04 05-MAY-78 0084 1 05 13-JJN-78 0085 1 06 15-JUN-78	K.D. MORSE	ADD CALL TO PATA ADD FAO COUNTS ADD OUTPUT TO A	ISREDUCE INS. TO SIGNALS. APPENDED PATCH
; 86 ; 87 ; 88	0086 1 ! 0087 1 ! 0088 1 !		COMMAND TEXT BU	JFFERS.

```
N 3
                                                                                                                                                                                                                                                                         16-Sep-1984 00:06:01 VAX-11 Bliss-32 V4.0-742 Page 4 14-Sep-1984 12:52:35 DISK$VMSMASTER:[PATCH.SRC]PATIO.B32;1 (2)
PATIO
V04-000
                                                                                                                                 PATSGL_SYMHEAD,
PATSGL_PAL_LHD,
PATSGL_LAST_LOC,
PATSGL_CONTEXT : BITVECTOR,
PATSGL_SEMAN1 : VECTOR,
PATSCP_OUT_STR,
PATSGL_BUF_SIZ,
PATSGB_MOD_PTR : REF_VECTOR[,BYTE],
PATSGL_HEAD_LST,
PATSGL_COMRAB,
! POINTER TO MODE LE
                                                                                                                                                                                                                                                                                                                                                                             ! Pointer to listhead entry of user-defined ! POINTER TO PATCH AREA LIST (PAL)
                                                                148
                                                                                                                                                                                                                                                                                                                                                                            LAST LOCATION EXAMINED
CONTEXT BITS FOR COMMAND
PARSE STACK
POINTER TO OUTPUT STRING
          149
150
151
153
154
155
156
157
158
                                                                                                                                                                                                                                                                                                                                                                             ! SIZE OF TEXT IN OUTPUT BUFFER
                                                                                                                                                                                                                                                                                                                                                                            ! POINTER TO ARGUMENT LIST FOR COMMAND
                                                                                                                                PATSGL_COMRAB,

! POINTER TO MODE LEVEL

PATSGL_ISVADDR: VECTOR [,LONG],

PATSGL_EXPANDVA,

PATSGL_ERRCODE,

PATSGL_FLAGS,

PATSGL_OLDNBK: BLOCK[,BYTE],

PATSGL_NEWNBK: BLOCK[,BYTE],

PATSGL_JNLNBK: BLOCK[,BYTE],

PATSGL_INPFAB: BLOCK[,BYTE],

PATSGL_OUTFAB: BLOCK[,BYTE],

PATSGL_OUTFAB: BLOCK[,BYTE],

PATSGL_OLDFAB: BLOCK[,BYTE],

PATSGL_OLDFAB: BLOCK[,BYTE],

PATSGL_NEWFAB: BLOCK[,BYTE],

PATSGL_JNLFAB: BLOCK[,BYTE],

PATSGL_JNLFAB: BLOCK[,BYTE],

PATSGL_TNTFAB: BLOCK[,BYTE],

PATSGB_JNLNAME,

PATSGB_JNLNAME,

PATSGB_TXTLHD: REF BLOCK[,BYTE],

PATSGL_TXTTAIL: REF BLOCK[,BYTE],

PATSGL_TXTFREE: REF VECTOR[,BYTE];
                                                                                                                                                                                                                                                                                                                                                                            ! RAB FOR COMMAND FILE
                                                                                                                                                                                                                                                                                                                                                                            VIRTUAL ADDRESSES OF LAST IMAGE SECTION MA
                                                                                                                                                                                                                                                                                                                                                          ERROR CODE
CLI FLAGS
INPUT IMAGE FILE FAB
OUTPUT IMAGE FILE FAB
JOURNAL FILE FAB
OUTPUT COMMAND FILE FAB
INPUT COMMAND CHANNEL FAB
INFORMATION CHANNEL FAB
ERROR CHANNEL FAB
INPUT IMAGE FILE NBK
OUTPUT IMAGE FILE NBK
OUTPUT COMMAND FILE NBK
OUTPUT COMMAND FILE NBK
OUTPUT COMMAND FILE NAME
NEW IMAGE FILE NAME
JOURNAL FILE NAME
NEW IMAGE FILE NAME
POINTER TO GIFST TEXT DUTPUT
POINTER TO GIFST TO GIFST TEXT DUTPUT
POINTER TO GIFST TO GIFST TO GIFST TO GIFST TO GIFST TEXT DUTPUT
POINTER TO GIFST T
                                                                                                                                                                                                                                                                                                                                                                             ! ERROR CODE
           160
           161
           162
           164
           165
           166
           167
           168
           169
           170
           171
           172
173
174
           175
           176
           177
           178
           179
                                                                  2600 1
            180
                                                                  2601 1
                                                                 2602 1 EXTERNAL LITERAL
2603 1 !
2604 1 ! Define shared message references. (resolved a link time)
           181
           182
183
           184
                                                                  2605 1 !
                                                                                                                                 PATS_CLOSEIN,
PATS_CLOSEOUT,
PATS_OPENIN,
PATS_OPENOUT,
PATS_READERR,
PATS_SYSERROR,
PATS_WRITEERR;
                                                                                                                                                                                                                                                                                                                                                                            Error closing input file.
Error closing output file.
Error opening input file.
Error opening output file.
Error reading from file.
                                                                 2606 1
2607 1
           185
            186
                                                                  2608 1
            187
                                                                  2609 1
            188
                                                                 2610 1
2611 1
2612 1
2613 1
            189
           190
191
192
193
                                                                                                                                                                                                                                                                                                                                                                                    System Service error.
                                                                                                                                                                                                                                                                                                                                                                             ! Error writing to file.
                                                                   2614 1 !++
            194
                                                                  2615 1 ! FAO CONTROL STRINGS
            195
                                                                   2616
                                                                   2617 1 BIND
            196
                                                                                                                                 197
                                                                   2618 1
             198
                                                                   2619 1
                                                                 2623 1
2624 1
             199
             200
201
202
203
```

PAT10 V04-000			B 4 16-Sep-1984 00:06:01 14-Sep-1984 12:52:35	VAX-11 Bliss-32 V4.0-742 Page 5 DISK\$VMSMASTER:[PATCH.SRC]PATIO.B32;1 (2)
204 205 206 207	2625 1 2626 1 2627 1	MOD_STG = UPLIT BYTE (%ASCINAM_STG = UPLIT BYTE (%ASCI	C '!AC'), C '!AS'),	! FOR MODULE NAMES ! FOR NAMES
204 205 206 207 208 209	2625 1 2626 1 2627 1 2628 1 !++ 2629 1 ! CC 2630 1 !	OMMAND STRING FOR EXIT. EXIT CMD = JPLIT BYTE (%ASC	IC 'EXIT') : VECTOR[.BYTE]:	! EXIT COMMAND STRING

PA VO

VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATIO.B32:1

16-Sep-1984 00:06:01 14-Sep-1984 12:52:35 GLOBAL ROUTINE PATSWRITEFILE (MSGSIZ, MSGADR, WRTRAB) : NOVALUE = ! WRITES FORMATTED MSG TO FILE 2632 2633 2633 2636 2637 2638 2641 1 FUNCTIONAL DESCRIPTION: This routine outputs formatted messages to files. If the file is the output command file, then the output is also written into the appended patch command text buffers and only written to the command file if one is open for output. In case of error, an appropriate message is SIGNALed. FORMAL PARAMETERS: 2644 MSGSIZ - SIZE IN BYTES OF THE MESSAGE TO BE OUTPUT MSGADR - ADDRESS OF THE MESSAGE TO BE OUTPUT 2646 2647 WRTRAB - RAB OF THE FILE MESSAGE IS TO OUTPUT TO 2648 IMPLICIT INPUTS: 2649 2650 2651 2653 2653 2655 2655 2657 MESSAGE IS ALREADY FORMATTED, FILE IS ALREADY OPEN, AND CHANNEL IS ALREADY CONNECTED. PAT\$GL_TXTFREE - Pointer to next free byte in last text block PATSGL_TXTLHD - Pointer to first block of command text PATSGL_TXTTAIL - Pointer to last block of command text IMPLICIT OUTPUTS: 2658 2659

THE MESSAGE IS WRITTEN TO THE FILE. IN CASE OF ERROR, AN ERROR MESSAGE IS WRITTEN TO THE JOURNAL FILE AND 'SYSSERROR'.

ROUTINE VALUE:

COMPLETION CODES:

NONE

SIDE EFFECTS:

NONE

BEGIN

MAP

2660 2361

2662 2663

2664

2665

2666

2667

2668 2669

2670

2671

2682 2683

2684

2685

2686 2687

2688

WRTRAB : REF BLOCK [,BYTE];

! DEFINE AS VECTOR OF BYTES

くとととととととととと LOCAL

FAB_ADDR : REF BLOCK[,BYTE], NAM PLK ADDR : REF BLOCK[, BYTE]; ADDRESS OF FAB ADDRESS OF NAME BLOCK

first check if this write is going to the command file. If so, add it to the text buffer. Text buffers are allocated one block at a time. The first longword of the block points the next block of text, zero indicates no next block. The commands are written into the buffer as ASCIC strings. They do NOT cross block boundaries.

268

```
V0
```

```
16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
                                                                                                                                                  VAX-11 Bliss-32 V4.0-742
PATIO
V04-000
                                                                                                                                                  DISK$VMSMASTER:[PATCH.SRC]PATIO.B32;1
                                       IF (.WRTRAB EQL PAT$GL_COMRAB)
THEN
     26593456990123456777011123
26593456990123456777011123
                                                     IF (.PAT$GL_TXTFREE+.MSGSIZ+1 GTRU .PAT$GL_TXTTAIL+A_PAGE)
                                                     THEN
                                                                   BEGIN
                                                                     Allocate a new block of command text and update pointers.
                                                                  PATSGL_TXTFREE = PATSFREEZ((A_PAGE + 3)/4);
PATSGL_TXTTAIL[TXT$L_NXTBLK] = .PATSGL_TXTFREE;
PATSGL_TXTTAIL = .PATSGL_TXTFREE;
PATSGL_TXTFREE = .PATSGL_TXTFREE + TXTSC_SIZE;
                                                    END;

CH$MOVE(.MSGSIZ, .MSGADR, CH$PTR(.PAT$GL_TXTFREE, 1));

PAT$GL_TXTFREE[0] = .MSGSIZ;

PAT$GL_TXTFREE = CH$PTR(.PAT$GL_TXTFREE, .MSGSIZ+1);

IF (.PAT$GL_FLAGS AND PAT$M_COMMAND) EQL 0
                                                     THEN
                                                                   RETURN:
                                                     END:
                                        ! SET UP THE RAB FOR OUTPUT.
                                       WRTRAB[RAB$W_RSZ]=.MSGSIZ;
WRTRAB[RAB$L_RBF]=.MSGADR;
PAT$GL_ERRCODE = $PUT(RAB=.WRTRAB);
IF_NOT_.PAT$GL_ERRCODE
                          2714
2715
2716
2717
2718
2719
2720
2721
2722
2723
                                                                                                                                                      SET SIZE OF MSG
SET MESSAGE ADDRESS
     296
297
                                                                                                                                                      OUTPUT MESSAGE
                                                                                                                                                      IF ERROR,
     298
                                       THEN
                                                                                                                                                      OUTPUT AN
     299
                                                     BEGIN
                                                                                                                                                     GET ADDRESS OF FAB
GET ADDRESS OF NAME BLOCK
     300
                                                     FAB_ADDR=.WRTRAB[RAB$L_FAB];
                                                     NAM_BLK_ADDR=.FAB_ADDR[FAB$L_NAM];
     301
     302
303
                                                     SIGNAL (PATS_WRITEERR, 1, GETFIEDSC(.FAB_ADDR),.WRTRAB[RAB$L_STS],.WRTRAB[RAB$L_STV]);
                                                                                                                                                                                                        ! APPROPRIAT
                                    Ž
1 END;
                                                     END:
     304
                           2724
                                                                                                                                                   ! END OF PATSWRITEFILE
                                                                                                                            .TITLE
                                                                                                                                        PATIO
                                                                                                                            .IDENT
                                                                                                                                        \\04-000\
                                                                                                                            .PSECT _PAT$PLIT,NOWRT,NOEXE,O
                                                                                                    00000 P.AAA:
00006 P.AAB:
00009 P.AAC:
                                                                                21
20
58
58
41
                                                                         41
                                                                                                                            .ASCII
                                                                                                                                        <5>\'!AD'\
                                                                  44
                                                                                       22552252224
22552252224
                                                                                             0525B093E5533
                                                                                                                                        <2>\ -\
<5>\^X!XL\
<11>\^X!XL:^X!XL\
<9>\!AD+^X!XL\
                                                                                                                            .ASCII
                                                                  58
58
28
28
                                                                         21
21
44
                                                                                                                            .ASCII
                                 21
40
                                                            40
5E
5E
                                       58
58
58
                                              5E
21
21
                                                     3A
58
58
                                                                                                    0000F P.AAD:
                                                                                                                            .ASCII
                          58
                                                                                                    0001B P.AAE:
00025 P.AAF:
00034
00039 P.AAG:
                                                                                                                            .ASCII
                                                                                41 21 41
                                                                         44
58
                    21
                           3A
           41
                                 40
                                                                                                                            .ASCII
                                                                                                                                         <19>\!AD+^X!XL:!AD+^X!XL\
                                                            27
                                                                         41
                                                                                                                            .ASCII
                                                                                                                                        <5>\!AD'\
                                                                                                    0003F P.AAH:
                                                                                                                            .ASCII
                                                                                                                                         <3>\!AC\
                                                                                                    00043
                                                                                                             P.AAI:
                                                                                                                            .ASCII
                                                                                                                                         <3>\!AS\
                                                                   54
                                                                                                    00047 P.AAJ:
                                                                                                                            .ASCII
                                                                                                                                         <4>\EXIT\
                                                                                                                                               20
                                                                                                              ISESC_SIZE == TXTSC_SIZE ==
```

5A 0000000G

59

58 57

50 50

68

7E

50

51

00000000G

0000000G

0000000G

00000200

00

04

80

ĒF

EF

AC

EF

57

44

50

8F

50

18

8F

9E

9E

D0

9E

D1

12

(1

(1

9A 0003B

MOV7BL

#128, -(SP)

```
16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
                                                                               VAX-11 Bliss-32 V4.0-742
                                                                               DISK$VMSMASTER:[PATCH.SRC]PATIO.B32:1
                         PALSC_SIZE ==
ASDSC_SIZE ==
FWRSC_SIZE ==
FWRSC_SIZE ==
ASC_STG=
COM_HYP_STG=
EXP_STG=
RAN_STG=
NAM_OFF_STG=
NAM_OFF_RAN_STG=
INS_STG=
MOD_STG=
NAM_STG=
EXIT_CMD=
EXTRN F
                                                                           16
                                                                           ġ`
                                                                           P.AAA
                                                                          P.AAB
                                                                          P.AAC
                                                                           P.AAD
                                                                           P.AAE
                                                                           P.AAF
                                                                           P.AAG
                                                                           P.AAH
                                                                           P.AAI
                                                              P.AAJ
PATSFIND VAL, PATSFAO PUT
PATSFREEZ, PATSREDUCE INS
GETFILDSC, PATSGL_CHARUM
PATSGL_SYMTBPTR
PATSGL_SYMHEAD, PATSGL_PAL_LHD
PATSGL_LAST_LOC
PATSGL_CONTEXT, PATSGL_SEMAN1
PATSCP_OUT_STR, PATSGL_BUF_SIZ
PATSGB_MOD_PTR, PATSGL_HEAD_LST
PATSGL_COMRAB, PATSGL_ISVADDR
PATSGL_EXPANDVA
PATSGL_EXPANDVA
PATSGL_EXPANDVA
PATSGL_JNLNBK, PATSGL_NEWNBK
PATSGL_JNLNBK, PATSGL_OUTFAB
PATSGL_INPFAB, PATSGL_OUTFAB
PATSGL_INPFAB, PATSGL_OUTFAB
PATSGL_NEWFAB, PATSGL_JNLFAB
PATSGL_COMFAB, PATSGL_JNLFAB
PATSGL_COMFAB, PATSGL_TXTLHD
PATSGL_TXTTAIL, PATSGL_TXTLHD
PATSGL_TXTTAIL, PATSGL_TXTFREE
PATS_CCOSEIN, PATS_CLOSEOUT
PATS_OPENIN, PATS_CLOSEOUT
PATS_READERR, PATS_SYSERROR
PATS_WRITEERR, SYSSPUT
ACCESS_CHECK
                                                                           P.AAJ
                                              .EXTRN
                                              .EXIRN
                                              .EXTRN
                                              .WEAK
                                              .PSECT
                                                                 _PAT$CODE,NOWRT,2
07FC 00000
                                              .ENTRY
                                                                PAT$WRITEFILE, Save R2,R3,R4,R5,R6,R7,R8,-
                                                                                                                                                                                2632
                                                               R9,R10
PATSGL_ERRCODE, R10
PATSGL_TXTTAIL, R9
PATSGL_TXTFREE, R8
WRIRAB, R7
           00002
                                              MOVAB
           00009
                                              MOVAB
           00010
                                              MOVAB
           00017
                                                                                                                                                                                2689
                                              MOVL
                                                                PATSGL_COMRAB, RO R7, R0
           0001B
                                              MOVAB
           00022
                                              CMPL
           00025
                                              BNEQ
           00027
                                              ADDL3
                                                                 MSGSIZ, PATSGL_TXTFREE, RO
                                                                                                                                                                                2692
    D6 0005C
                                              INCL
                                                                #512, PAT$GL_TXTTAIL, R1 R0, R1
           000SF
                                              ADDL3
                                             CMPL
BLEQU
    D1 00036
    1B 00039
                                                                 15
```

AT10 04-000								1	5-Sep-19 4-Sep-19	984 00:06 984 12:52	:01	DISK\$VMSMASTER:[PATCH.SRC]PATIO.B32;1	Page 9
	01	A6 50	00000000G 00 08	E6896866688577A7	04 04 04 01 000000006 04 08	056606AAAAEAA5	#000000801E900D	00046 00049		CALLS MOVL MOVL ADDL2 MOVL MOVC3 MOVB ADDL3 MOVAB BLBC MOVW MOVL PUSHL		ATSFREEZ ATSGL_TXTFREE L_TXTFREE, @PATSGL_TXTTAIL L_TXTFREE, PATSGL_TXTTAIL ATSGL_TXTFREE L_TXTFREE, R6 Z, @MSGADR, 1(R6) Z, (R6, Z, PATSGL_TXTFREE, R0 , PATSGL_TXTFREE L_FLAGS, 3\$ Z, 34(R7) R, 40(R7)	2699 2700 2701 2703 2705 2706 2714 2715 2716
			00000000G 00000000G	00 6A 26 50 51 7E EF	3C 28 08	01 50 6A A7 A0 A7 50 05 05 05	FDE00000B0000B4	00084 00087 0008A 00092 00096 00098 0009F	3\$:	CALLS MOVL BLBS MOVL MOVQ PUSHL CALLS PUSHL PUSHL CALLS RET	RO, PA PATSGI 60(R7) 40(FAE 8(R7) FAB_AI W1, GI RO W1	YS\$PUT AT\$GL_ERRCODE L_ERRCODE, 3\$), FAB_ADDR B_ADDRJ, NAM_BLK_ADDR ,-(SP) DDR ETFILDSC WRITEERR IB\$SIGNAL	2717 2720 2721 2722

; Routine Size: 177 bytes. Routine Base: _PAT\$CODE + 0000

```
16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
                                                                                    VAX-11 Bliss-32 V4.0-742 PROJECT PATCH.SRC]PATIO.B32;1
1 GLOBAL ROUTINE PAT$WRITE_EXP1 (SEMSP) : NOVALUE =
  ! FUNCTIONAL DESCRIPTION:
            THIS ROUTINE WRITES OUT A SERIES OF EXPRESSIONS TO THE COMMAND FILE. THE EXPRESSIONS ARE TAKEN FROM THE COMMAND ARGUMENT LIST. IF THE CURRENT MODE IS ASCII, THEN THE ARGUMENTS ARE WRITTEN AS ASCII CHARACTERS WITHIN QUOTES. ONE EXPRESSION IS WRITTEN PER LINE.
            IF THE COMMAND IS THE "EXAMINE" COMMAND, THEN THE EXPRESSIONS MUST
             BE FOLLOWED BY A CONTINUATION CHARACTER AS THE 'EXAMINE' COMMAND
             DOES NOT PROMPT.
     FORMAL PARAMETERS:
             SEMSP - PATSE STACK OFFSET TO COMMAND VERB TOKEN
     IMPLICIT INPUTS:
            THE ARGUMENT LIST FOR THE COMMAND POINTED TO BY PATSGL_HEAD_LST.
     IMPLICIT OUTPUTS:
             THE EXPRESSION IS WRITTEN TO THE COMMAND FILE. IN CASE OF ERROR, AN
             ERROR MESSAGE IS WRITTEN TO THE JOURNAL FILE AND 'SYSSERROR'.
     ROUTINE VALUE:
            NONE
     COMPLETION CODES:
            NONE
    SIDE EFFECTS:
             PATSCP_OUT_STR AND PATSGL_BUF_SIZ ARE DESTROYED.
            HYPHEN = %X'2D':
                                                                                    ! CONTINUATION CHARACTER (HYPHEN)
             OUTPUT_BUFFER : BLOCK[TTY_OUT_WIDTH,BYTE],
                                                                                     ! OUTPUT BUFFER
                                                                                     ! POINTER TO CURRENT ARGUMENT
            POINTER:
  ! INITIALIZE THE POINTER TO THE FIRST ARGUMENT.
  POINTER = .PATSGL_HEAD_LST;
IF (.PATSGL_SEMANT[.SEMSP] EQL EXAMINE_TOKEN) AND
___(.POINTER EQLA 0)
```

```
16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
PATIO
                                                                                                                            VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                                                            DISKSVMSMASTER: [PATCH. SRC]PATIO. B32:1
    363
                      BEGIN
                                            PATSGL_BUF_SIZ = 0;
PATSCP_OUT_STR = CHSPTR(OUTPUT_BUFFER, 0);
PATSOUT_PAC_EXP(.PATSGL_LAST_LOC, 0);
PATSWRITEFICE(.PATSGL_BUF_SIZ, OUTPUT_BUFFER, PATSGL_COMRAB);
    364
    365
    366
    367
368
                                             END:
    369
370
    371
                                    LOOP, WRITING OUT EACH EXPRESSION. IF THE CURRENT MODE IS ASCII, WRITE
    372
373
                                    THE EXPRESSION AS AN ASCII STRING CONTAINED WITHIN QUOTES.
    374
375
                                 WHILE .POINTER NEGA O
                                 DO
                                            BEGIN
FATSGL_BUF_SIZ = 0;
PATSCP_OUT_STR = CH$PTR(OUTPUT_BUFFER, 0);
    376
    377
    378
                      2798
    379
                                             IF .PAT$GB_MOD_PTR[MODE_ASCII]
                      2799
    380
                                             THEN
                      2800
                                                        PAT$FAO_PUT(ASC_STG, .PAT$GB_MOD_PTR[MODE_LENGTH], LIST_ELEM_EXP1(.POINTER))
    381
    382
                      2801
                      2802
2803
    383
                                            ELSE
    384
                                                        IF (.LIST_ELEM_EXP2(.POINTER) EQL 0) OR
    385
                      2804
                                                            (.LIST_ELEM_EXPI(.POINTER) EQL .LIST_ELEM_EXP2(.POINTER))
    386
                      2805
                                                        THEN
                      2806
2807
    387
                                                                    PATSOUT_PAL_EXP(.LIST_ELEM_EXP1(.POINTER), 0)
    388
                                                        ELSE
                                            PATSOUT_PAL_EXP(.LIST_ELEM_EXP1(.POINTER), .LIST_ELEM_EXP2(.POINTER));

IF (.PAT$GL_SEMAN1[.SEMSP] EQL_EXAMINE_TOKEN) AND (.LIST_ELEM_FLINK(.POINTER) NEQA 0)
    389
                      2808
    390
                      2809
                      2810
2811
2812
2813
    391
    392
    393
                                             THEN
                                            PATSFAO_PUT(COM_HYP_STG);
PATSWRITEFILE(.PATSGL_BUF_SIZ, OUTPUT_BUFFER, PATSGL_COMRAB);
POINTER = .LIST_ELEM_FLINK(.POINTER);
    394
    395
                      2814
                      2815
2816
2817
    396
    397
                                             END:
    398
                                 RETURN:
                      2818
2819
    399
    400
                              1 END;
                                                                                                                            ! END OF PATSWRITE_EXP1
                                                                             07FC 00000
                                                                                                        .ENTRY
                                                                                                                   PAT$WRITE_EXP1, Save R2,R3,R4,R5,R6,R7,R8.- ; 2725
                                                                                                                   R9,R10
                                                       5A 00000000G
                                                                                    00002
                                                                                                        MOVAB
                                                                                                                   PATSFAO_PUT, R10
                                                                                                                   PATSWRITEFILE, R9
                                                                           CF
                                                                                9Ē
                                                                                    00009
                                                                                                        MOVAB
                                                                                                                   PATSGL COMRAB, R8
PATSOUT PAL EXP, R7
PATSCP OUT STR, R6
PATSGL SEMAN1, R5
PATSGL BUF SIZ, R4
-132(SP), SP
                                                           0000000G
                                                                                9E
                                                                                    0000E
                                                                           EF
                                                                                                        MOVAB
                                                                           ĒF
                                                                                9Ē
                                                                                    00015
                                                           0000000v
                                                                                                        MOVAB
                                                                                9E
                                                                                    0001C
                                                           0000000G
                                                                                                        MOVAB
                                                           0000000G
                                                                                9Ē
                                                                                    00023
                                                                                                        MOVAB
                                                           0000000G
                                                                           ĒF
                                                                                9Ē
                                                                                    0002A
                                                                                                        MOVAB
                                                                                9E
                                                                                    00031
                                                                 FF7C
                                                                           CE
                                                                                                        MOVAB
                                                                                                                   PATSGL_HEAD_LST, POINTER
SEMSP, R3
                                                                                                                                                                                    2778
2779
                                                           0000000G
                                                                          EF
                                                                                DŌ
                                                                                    00036
                                                                                                        MOVL
                                                                                DO
                                                                                    0003D
                                                                    04
                                                                                                        MOVL
                                                       09
                                                                                    00041
                                                                                D1
                                                                                                        CMPL
                                                                                                                   PATSGL_SEMAN1[R3], #9
```

1E

12 00045

BNEQ

				1	1 4 16-Sep 14-Sep	-1984 00:06 -1984 12:52	:01 VAX-11 Bliss-32 V4.0-742 :35 DISK\$VMSMASTER:[PATCH.SRC]PATIO.832;	Page 12 1 (4)
		52	D 5	00047		TSTL	POINTER	: 2780
66		1A 6E 7E	12 04 9E 04	00048 00048 00048	3	BNEQ CLRL MOVAB CLRL	1\$ PAT\$GL_BUF_SIZ OUTPUT_BUFFER, PAT\$CP_OUT_STR -(SP)	2783 2784 2785
67	00000000	i EF	DD FB	0005	2	PUSHL CALLS	PÀTSGL_LAST_LOC #2, PATSOUT_PAL_EXP	
	04	58 AE	DD 9F	0005)	PUSHL PUSHAB	RB OUTPUT BUFFER	; 2786 ;
69		058E4332C4E	DD FB D5	0006	2 5 1 \$:	PUSHL CALLS TSTL	PATSGL BUF SIZ #3, PATSWRITEFILE POINTER	2793
66		64 6E	9E	0006	9 3	BEQL CLRL MOVAB	8\$ PAT\$GL_BUF_SIZ OUTPUT_BUFFER, PAT\$CP_OUT_STR PAT\$GB_MOD_PTR, RO 4/PO\ 28	2796 2797
66 50 12	000000000	EF AO	DO E9	0006	5	MOVL Blbc	4(RU), 23	2798
7E	04 01	A2 A0	9F 9A		Ç	PUSHAB MOVZBL	4(POINTER) 1(RO), -(SP)	2801
6A	00000000	03	9F FB	00080	5	PUSHAB CALLS	ASC_STG #3, PAT\$FAO_PUT	; 2800 ; 2801
50	08	18 A2	11 00 13		3 2\$:	BRB MOVL	6\$ 8(POINTER), RO	2803
50	04	06 A2 04	D1 12	0009	1	BEQL CMPL BNEQ	3\$ 4(POINTER), RO 4\$	2804
		7E 02		0009	7 3\$:	CLRL BRB	-(SP) 5 \$	2806
	04	50 A2		00091	B 4 \$:	PUSHL PUSHL	RÔ 4(POINTER)	2809 2808
67 U9		0 <u>2</u> 6543	FB D1	000A	3 68:	CALLS CMPL	M2, PAT\$OUT PAL_EXP PAI\$GL_SEMAN1ER3], M9	2810
		0D 62 09	12 05 13	000A	7	BNEQ TSTL	7\$ (POINTER)	2811
6A	00000000	EF 01	9F FB	000A0)	BEQL PUSHAB	7\$ COM_HYP_STG #1, PAT\$FAO_PUT	2813
U A	04	58		000B 000B 000B	5 78:	CALLS PUSHL PUSHAB	R8 OUTPUT_BUFFER_	2814
69	•	AE 64 03 62 A0		000BI	3	PUSHL CALLS	PATSGL_BUF_SIZ #3, PATSWRITEFILE	
69 52		A 0	DO 11) 3	MOVL BRB RET	(POINTER), POINTER 1\$	2815 2793 2819

; Routine Size: 198 bytes, Routine Base: _PAT\$CODE + 00B1

:

••••••

:::

```
K 4
                                                                                     16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
PAT10
                                                                                                                      VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                      Page
V04-000
                                                                                                                      DISK$VMSMASTER:[PATCH.SRC]PATIO.B32:1
   459
                     IF .PATSGL_CONTEXT[MODULE_BIT]
   460
                                           THEN
   461
                                                     BEGIN
   MC_PTR = .LIST_ELEM_EXP1(.POINTER);
                                                     PATSFAO_PUT(MOD_STG, MC_PTREMC_NAME_CS]);
                                           ELSE
                                          PATSFAO_PUT(NAM_STG, .LIST_ELEM_EXP1(.POINTER));
PATSWRITEFILE(.PATSGL_BUF_SIZ, OUTPUT_BUFFER, PATSGL_COMRAB);
IF .PATSGL_SEMAN1[.SEMSP] EQL_DEFINE_TOKEN
                                           THEN
                                                     PATSGL_BUF_SIZ = 0;
PATSCP_OUT_STR = CHSPTR(OUTPUT_BUFFER, 0);
PATSOUT_PAC_EXP(.LIST_ELEM_EXPZ(.POINTER), 0);
PATSWRITEFICE(.PATSGL_BUF_SIZ, OUTPUT_BUFFER, PATSGL_COMRAB);
                                           POINTER = .LIST_ELEM_FLINK(.POINTER);
                                           END;
                                RETURN:
                             1 END;
   480
                                                                                                                      ! END OF PATSWRITE_NAME
                                                                                                   .EXTRN PATSGL_RST_BEGN
                                                                          01FC 00000
                                                                                                   .ENTRY
                                                                                                              PAT$WRITE NAME, Save R2,R3,R4,R5,R6,R7,R8
                                                                                                                                                                           2820
                                                                                                              PATSWRITEFILE, R8
                                                                            9Ē
                                                                                00002
                                                                                                   MOVAB
                                                             FE83
                                                                                                             PATSGL_COMRAB, R7
PATSCP_OUT_STR, R6
PATSGL_BUF_SIZ, R5
-132(SP), SP
                                                        0000000G
                                                                            9Ē
                                                                                00007
                                                                       EF
                                                                                                   MOVAB
                                                    56
55
                                                        0000000G
                                                                       ĒF
                                                                            9Ē
                                                                                0000E
                                                                                                   MOVAB
                                                        0000000G
                                                                       ĒF
                                                                            9Ē
                                                                                00015
                                                                                                   MOVAB
                                                                       ČĖ
                                                                            9Ē
                                                                                0001C
                                                                                                   MOVAB
                                                                                                             PATSGL_HÉAD_LST, POINTER
SEMSP, R4
POINTER
                                                        0000000G
                                                                            DO 00021
                                                                                                   MOVL
                                                                                                                                                                           2866
                                                                       AC
53
                                                                04
                                                                            DO 00028
                                                                                                   MOVL
                                                                            D5 0002C 15:
                                                                                                   TSTL
                                                                            13 0002E
                                                                                                   BEQL
                                                                                                              5$
                                                                                                             PATSGL_BUF_S1Z
OUTPUT_BUFFER, PATSCP_OUT_STR
PATSGL_CONTEXT
                                                                       65
                                                                            D4 00030
                                                                                                   CLRL
                                                                            9E
95
                                                                                                                                                                           2876
                                                                       6E
                                                                                00032
                                                                                                   MOVAB
                                                        0000000G
                                                                                00035
                                                                                                   TSTB
                                                                                                                                                                           2877
                                                                            18
                                                                                0003B
                                                                                                   BGEQ
                                                                                                              4(POINTER), MC_PTR
                                                                       A3
                                                                            DÓ
                                                                                0003D
                                                                                                   MOVL
                                                                                                                                                                           2880
                                                    52 00000000G
                                 50
                                                                       EF
                                                                            C1
                                                                                                              PATSGL_RST_BEGN, MC_PTR, RO
                                                                                                                                                                           2881
                                                                                00041
                                                                                                   ADDL3
                                                                       Ã0
EF
                                                                            9F
9F
                                                                                00049
                                                                                                   PUSHAB
                                                                                                              12(R0)
                                                        00000000
                                                                                0004C
                                                                                                   PUSHAB
                                                                                                             MOD_STG
                                                                            11
                                                                                00052
                                                                                                   BRB
                                                                                                              3$
                                                                       A3
Ef
                                                                                                                                                                           2884
                                                                                00054 2$:
                                                                                                   PUSHL
                                                                                                              4 (POINTER)
                                                                            DD
                                                                                                             NAM_STG
#2, PAT$FAO_PUT
R7
                                                        اد )000000
                                                                                00057
                                                                            9F
                                                                                                   PUSHAB
                                     0000000G
                                                                            FB
                                                                                0005D 3$:
                                                                                                   CALLS
                                                                            DD
                                                                                00064
                                                                                                   PUSHL
                                                                                                                                                                           2885
                                                                                                             OUTPUT_BUFFER
PATSGL_BUF_SIZ
#3, PATSWRITEFILE
                                                                            9F
                                                                                00066
                                                                                                   PUSHAB
                                                                04
                                                                       AE
                                                                       65
                                                                            DD 00069
                                                                                                   PUSHL
                                                                                0006B
                                                                            FB
                                                                                                   CALLS
                                                        0000000GEF44
                                                                            DÍ
                                                                                                              PATSGL_SEMANT[R4], #5
                                                                                                                                                                           2886
                                                                                0006E
                                                                                                   CMPL
                                                                       1B
65
                                                                                00076
                                                                            12
                                                                                                   BNEQ
                                                                                                              45
                                                                                                             PATSGL_BUF_SIZ
OUTPUT_BUFFER, PATSCP_OUT_STR
                                                                                                                                                                           2889
2890
                                                                            D4
                                                                                00078
                                                                                                   CLRL
```

9E 0007A

MOVAB

66

					16-Sep-19 14-Sep-19	84 00:06 84 12:52	:01 VAX-11 Bliss-32 V4.0-742 :35 DISK\$VMSMASTER:[PATCH.SRC]PATIO.B32;1	Page 15 1 (5)
0000000v	EF	08	7E A3 02 57	D4 0007 DD 0007 FB 0008	'F	CLRL PUSHL CALLS	-(SP) 8(POINTER) #2. PATSOUT PAL EXP	: 2891 :
	•	04	57 AE 65	DD 0008 9F 0008 DD 0008	59 8 8	PUSHL PUSHAB PUSHL	#2, PAT\$OUT_PAL_EXP R7 OUTPUT_BUFFER PAT\$GL_BUF_SIZ	2892
	68 53		03 63 94	FB 0009 D0 0009 11 0009	0 3 4 \$:	CALLS MOVL BRB RET	#3, PATSWRITEFILE (POINTER), POINTER 1\$	2894 2872 2898

; Routine Size: 153 bytes, Routine Base: _PAT\$CODE + 0177

```
16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
                                                                                                                                     VAX-11 Bliss-32 V4.0-742 Partio.B32;1
PATIO
V04-000
                        GLOBAL ROUTINE PATSWRITE_INS (SEMSP) : NOVALUE =
    FUNCTIONAL DESCRIPTION:
                                                THIS ROUTINE WRITES OUT THE ARGUMENTS TO THE COMMAND FILE FOR THE FOLLOWING COMMAND VERBS, "DEPOSIT", "INSERT", "REPLACE", AND "VERIFY". THE ARGUMENTS CONSIST OF AN ADDRESS, FOLLOWED BY ONE OR TWO LISTS OF INSTRUCTIONS (DEPENDING UPON THE COMMAND). THE INSTRUCTIONS ARE TAKEN FROM THE COMMAND ARGUMENT LIST.
                                                ONE INSTRUCTION IS WRITTEN PER LINE.
                                       FORMAL PARAMETERS:
                                                SEMSP - OFFSET ONTO PARSE STACK FOR COMMAND VERB TOKEN
                                       IMPLICIT INPUTS:
                                                THE COMMAND ARGUMENT LIST POINTED TO BY PATSGL_HEAD_LST.
                                                THE PARSE STACK, PATSGL_SEMAN1, HOLDS THE COMMAND VERB.
                                       IMPLICIT OUTPUTS:
                                                THE COMMAND ARGUMENTS ARE WRITTEN TO THE COMMAND FILE. IN CASE OF ERROR, AN ERROR MESSAGE IS WRITTEN TO THE JOURNAL FILE AND 'SYSSERROR'.
                                       ROUTINE VALUE:
                                                NONE
                                       COMPLETION CODES:
                                                NONE
                                       SIDE EFFECTS:
                                                PATSCP_OUT_STR AND PATSGL_BUF_SIZ ARE DESTROYED.
                                   BEGIN
                                   LOCAL
                                                EDITED_INS_DESC : BLOCK[12,BYTE],
EDITED_INS_BUF : VECTOR[TTY_OUT_WIDTH.BYTE],
OUTPUT_BUFFER : VECTOR[TTY_OUT_WIDTH,BYTE],
                                                                                                                                       DESCRIPTOR FOR EDITED INSTRUCTIONS
BUFFER FOR EDITED INSTRUCTION
OUTPUT BUFFER
POINTER TO CURRENT NAME
                                                POINTER:
                                    ! INITIALIZE THE POINTER TO THE FIRST ARGUMENT.
                                    POINTER = .PAT$GL_HEAD_LST;
                                    ! FIRST WRITE OUT THE LOCATION ADDRESS. THIS IS ALWAYS THE FIRST ARGUMENT.
                                 2 PATSGL_BUF_SIZ = 0;
```

V

```
16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
PATIO
                                                                                                                           VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                                                           DISKSVMSMASTER: [PATCH.SRC]PATIO.B32; 1
                                 PATSCP_OUT_STR = CHSPTR(OUTPUT_BUFFER, 0);
PATSOUT_PAC_EXP(.LIST_ELEM_EXPT(.POINTER), 0);
                      PAT$WRITEFICE(.PAT$GL_BUF_SIZ, OUTPUT_BUFFER, PAT$GL_COMRAB);
                                  ! NOW LOOP, WRITING OUT EACH ARGUMENT.
                                 WHILE (POINTER = .LIST_ELEM_FLINK(.POINTER)) NEQA O
                                             BEGIN
                                            PATSGL_BUF_SIZ = 0;
PATSCP_OUT_STR = CH$PTR(OUTPUT_BUFFER, 0);
IF .PAT$GB_MOD_PTR[MODE_INSTRUC]
                                             THEN
                                                        EDITED_INS_DESCIDSCSW_LENGTH] = 0;
EDITED_INS_DESCIDSCSA_POINTER] = EDITED_INS_BUF;
EDITED_INS_DESCIDSCSW_MAXLEN] = TTY_OUT_WIDTH;
                                                        PATSREDUCE_INS(.LIST_ELEM_EXP1(.POINTER), EDITED_INS_DESC);
                                                        PATSGL_BUF_SIZ = 0;
PATSCP_OUT_STR = CH$PTR(OUTPUT_BUFFER, 0);
PATSFAO_PUT(INS_STG, .EDITED_INS_DESC[DSC$W_LENGTH], EDITED_INS_BUF);
                                             ELSE
                                                        IF .PAT$GB_MOD_PTR[MODE_ASCII]
                                                        THEN
                                                                   PAT$FAO_PUT(ASC_STG, .PAT$GB_MOD_PTR[MODE_LENGTH],
                                                                                         TLIST_ELEM_EXP1(.POINTER))
                                                        ELSE
                                            PATSOUT PAL EXP(.LIST_ELEM_EXP1(.POINTER), 0);
PATSWRITEFILE(.PATSGL_BUF_SIZ, OUTPUT_BUFFER, PATSGL_COMRAB);
                                             IF .PATSGL_SEMAN1[.SEMSP] EQL REPLACE TOKEN
                                             THEN
   572
573
574
                                                        IF .LIST_ELEM_EXP2(.POINTER) EQL EXIT_TOKEN
                                                        THEN
                                                                   PAT$WRITEFILE(.EXIT_CMD[0], EXIT_CMD[1], PAT$GL_COMRAB);
   575
                                             END:
   57L
577
                                 RETURN:
   578
                              1 END;
                                                                                                                            ! END OF PATSWRITE_INS
                                                                                                                   PATSWRITE_INS, Save R2,R3,R4,R5,R6,R7,R8,R9
PATSOUT_PAL_EXP, R9
                                                                             03FC 00000
                                                                                                        .ENTRY
                                                                                                                                                                                    2899
                                                           0000000v
                                                                                9E
                                                                                    00002
                                                                                                        MOVAB
                                                                                                                   PATSWRITEFILE, R8
                                                                                9Ē
                                                           FDE3
000000C0G
                                                                          CF
                                                                                    00009
                                                                                                        MOVAB
                                                                                                                   PATSGL_COMRAB, R7
PATSCP_OUT_STR, R6
INS_STG, R5
PATSGL_BUF_SIZ, R4
-276(SP), SP
                                                                          EFFFEEE CEF 64 6F
                                                                                9E
                                                                                                        MOVAB
                                                                                    0000E
                                                                               9E 00015
9E 0001C
9E 00023
9E 0002A
DO 0002F
                                                           ŎŎŎŎŎŎŎĠ
                                                                                                        MOVAB
                                                           000000000
                                                                                                        MOVAB
                                                           0000000G
                                                                                                        MOVAB
                                                           FEEC
0000000G
                                                                                                        MOVAB
                                                                                                                   PATSGL HEAD LST, POINTER PATSUL BUF SIZ
                                                                                                        MOVL
                                                                                D4 00036
                                                                                                        CLRL
                                                                                9E
D4
                                                                                                                   OUTPUT_BUFFER, PATSCP_OUT_STR
                                                                                    00038
                                                                                                        MOVAB
                                                      66
```

0003B

CLRL

-(SP)

P

					1 1 1	B 5 6-Sep-19 4-Sep-19	84 00:06 84 12:52	:01 VAX-11 Bliss-32 V4.0-742 Pa :35 DISK\$VMSMASTER:[PATCH.SRC]PATIO.B32;1	ge 18 (6)
	69	04	A2 02 57	DD FB	0003D 00040		PUSHL CALLS	4(POINTER) #2. PATSOUT PAL EXP	<u>:</u>
		04	Š7 AE	DD 9F	00043		PUSHL PUSHAB	#2, PAT\$OUT_PAL_EXP R7 OUTPUT BUFFER	2958
	68		64 03	DD FB	00048		PUSHL CALLS	OUTPUT_BUFFER PATSGL_BUF_SIZ #3, PATSWRITEFILE SEMSP, R3 (POINTER), POINTER	:
	68 53 52	04	AC 62	DŎ DO	0004D	1\$:	MOVL MOVL	SEMSP, R3 (POINTER), POINTER	2987 2963
			01	12	00054 00056		BNEQ RET	2\$;
	66		64 6E	04 9E	00057	2 \$:	CLRL	PATSGL_BUF_SIZ OUTPUT_BUFFER, PATSCP_OUT_STR	2966 2967
	50 20	00000000G 03	E F AO	DO E9	0005C		MOVL BLBC	PATSGB_MOD_PTR, RO 3(RO), 3\$	2968
F8	AD	F 4 0084	AD CE	B 4	00067 0006A		CLRW MOVAB	EDITED INS DESC EDITED INS BUE, EDITED INS DESC+4	2971 2972
FC	AD	84 F4	8F AD	9B 9F	00070 00075		MOVZBW PUSHAB	#132, EDITED INS_DESC+8 EDITED INS_DESC	2973
0000000G	EF	04	A 2	DD FB	00078 0007B		PUSHL CALLS	OUTPUT_BUFFER, PATSCP_OUT_STR PATSGB_MOD_PTR, RO 3(RO), 3\$ EDITED_INS_DESC EDITED_INS_BUF, EDITED_INS_DESC+4 #132, EDITED_INS_DESC+8 EDITED_INS_DESC 4(POINTER) #2, PATSREDUCE_INS PATSGL_BUF_SIZ OUTPUT_BUFFER, PATSCP_OUT_STR EDITED_INS_DESC, -(SP)	; ;
	66		64 6E	04	00082 00084		CLRL MOVAB	PATSGL BUF SIZ OUTPUT BUFFER. PATSCP OUT STR	2975 2976
	7E	0084 F 4	CE AD	9F 3C	00087		PUSHAB MOVZWL	EDITED INS BUF EDITED INS DESC, -(SP)	2977
			55	DD 11	0008F 00091		PUSHL BRB	R5	:
	13	04 04	96 A2	Е9 9Г	00093 00097	3\$:	BLBC PUSHAB	4(RO), 5\$ 4(POINTER)	2980 2983
	7E	01 C7	AO A5	94	0009A 0009E		MOVZBL PUSHAB	1(RU), -(SP)	2982
00000006	EF	•	03 08	FB 11	000A1 000A6	4\$:	CALLS BRB	ASC_STG #3, PAT\$FAO_PUT 6\$	2983
		04	7E A2	D4	000AA	5\$:	CLRL PUSHL	-(SP) 4(POINTER)	2985
	69	•	02 57	FB	000AF 000B2	6\$:	CALLS PUSHL	#2, PAT\$OUT_PAL_EXP	2986
		04	AE 64	9F DD	000B4 000B7		PUSHAB PUSHL	OUTPUT_BUFFER PATSGL_BUF_SIZ #3, PATSWRITEFILE	;
	68 0D	0000000GE	03	FB	000B9		CALLS	#3, PATSWRITEFILE PATSGL_SEMANI[R3], #13	2987
	0A	08	8B A2	12	00004		BNEQ CMPL	1\$ 8(POINTER), #10	2989
		**	85 57	12 DD	A000CA		BNEQ PUSHL	1\$ R7	2991
	7E	OF OE	AS AS	9F 9A	000CE		PUSHĀB MOVZBL	EXIT_CMD+1 EXIT_CMD, -(SP)	•
	7E 68		03 F 76				CALLS BRW	#3. PATSURITEFÍLE 15	2963
		•			ÖÖÖDB		RET		2995

; Routine Size: 220 bytes, Routine Base: _PAT\$CODE + 0210

```
2996
2997
2998
580
5883
5883
5886
5886
5889
590
                       2999
                       3000
                       3001
                      3002
3003
                       3004
                       3005
                       3006
591
                       3007
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                       3009
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                      3010
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                      3011
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                      3015
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                      3019
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                      3037
                      3038
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                       3048
                       3049
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635
```

```
GLOBAL ROUTINE PATSOUT_PAL_EXP (EXPR1, EXPR2) : NOVALUE =
  FUNCTIONAL DESCRIPTION:
         THIS ROUTINE FORMATS EXPRESSIONS FOR OUTPUT TO THE COMMAND FILE. IF AN EXPRESSION FALLS WITHIN A PATCH AREA, THEN THE EXPRESSION MUST BE WRITTEN AS A SYMBOLIC NAME PLUS OFFSET. OTHERWISE IT MAY
         BE WRITTEN AS AN ABSOLUTE VALUE. THE PATCH AREA LIST (PAL) IS SEARCHED TO DETERMINE IF THE EXPRESSION FALLS WITHIN A PATCH AREA.
          IF AN EXPRESSION RANGE IS PROVIDED AS INPUT (I.E., EXPR2 IS NOT 0),
          THEN THE UPPER LIMIT OF THE RANGE IS TREATED IN THE SAME MANNER AS
          THE LOWER LIMIT WAS TREATED.
  FORMAL PARAMETERS:
          EXPRI - EXPRESSION TO OUTPUT (IF EXPR2 NEQ O, THEN LOWER LIMIT OF RANGE)
          EXPR2 - IF NEQ Q, THEN LOWER LIMIT OF RANGE
                    IF EQL O, THEN INDICATES SINGLE EXPRESSION NOT RANGE
  IMPLICIT INPUTS:
          THE PATCH AREA LIST (PAL).
          THE USER DEFINED SYMBOL TABLE.
         PATSGL_BUF_SIZ AND PATSCP_OUT_STR MUST BE INITIALIZED.
  IMPLICIT OUTPUTS:
          THE EXPRESSION IS WRITTEN INTO THE OUTPUT BUFFER SPECIFIED BY
         PATSGL_BUF_SIZ AND PATSCP_OUT_STR.
  ROUTINE VALUE:
         NONE
  COMPLETION CODES:
         NONE
  SIDE EFFECTS:
         PATSCP_OUT_STR AND PATSGL_BUF_SIZ ARE UPDATED TO INCLUDE THE EXPRESSION.
```

BEGIN

LOCAL

TEMP_PTR : REF BLOCK[,BYTE], SYM_PTR:

! POINTER TO CURRENT PAL ENTRY ! POINTER TO SYMBOL TABLE ENTRY

! INITIALIZE THE POINTER TO THE FIRST PATCH AREA IN THE LIST.

TEMP_PTR = .PAT\$GL_PAL_LHD;

```
PA
VO
```

```
5
                                                                                      16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
PATIO
                                                                                                                       VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                                                       DISK$VMSMASTER:[PATCH.SRC]PATIO.B32:1
                             2 !++
2 ! SEARCH THE PATCH
2 ! IF FOUND, THEN !
2 ! IF THE EXPRESSION
2 ! VALUE. OTHERWIS
3 IF (.EXPR1 NEQ 0)
                     3053
3054
3055
   637
638
639
                                  SEARCH THE PATCH AREA LIST FOR A PATCH AREA WHICH INCLUDES THE EXPRESSION. IF FOUND, THEN SEARCH THE SYMBOL TABLE FOR A CORRESPONDING SYMBOLIC NAME.
   640
641
643
645
                                  IF THE EXPRESSION IS NOT WITHIN A PATCH AREA, THEN OUTPUT IT AS AN ABSOLUTE
                      3056
                      3057
                                  VALUE. OTHERWISE, OUTPUT IT AS A SYMBOLIC NAME PLUS GEFSET.
                      3058
                      3059
                                                                                                                       ! PREVENT NULL PATCH AREA ADDRESS REPLACING
                     3060
                                THEN
                     3061
3062
3063
3064
3065
3066
3068
3069
                                           BEGIN
   646
648
649
651
653
                                           WHILE .TEMP_PTR NEGA 0
                                           DO
                                                      BEGIN
                                                      IF (.EXPR1 LEQU .TEMP_PTR[PAL$L_END_ADR]) AND
                                                          (.EXPR1 GEQU .TEMP_PIR[PAL$L_START_ADR])
                                                      THEN
                                                                 BEGIN
                                                                 PATSGL_SYMTBPTR = .PATSGL_SYMHEAD;
                                                                SYM_PTR = PATSFIND_VAL(.EXPR1, FALSE);
   654
655
                      3071
                                                                 IF TEXPR2 EQL 0
   656
657
                     3072
                                                                 THEN
                     3073
3074
                                                                           PAT$FAO_PUT(NAM_OFF_STG,
.SYM_CHCOUNT(.SYM_PTR), SYM_NAME(.SYM_PTR),
    658
                     3075
3076
    659
                                                                                      (.EXPRI-.SYM_VALUE(.SYM_PTRT))
    660
                                                                ELSE
                                                                           PATSFAO_PUT(NAM_OFF_RAN_STG,
.SYM_CHCOUNT(.SYM_PTR), SYM_NAME(.SYM_PTR),
(.EXPR1-.SYM_VALUE(.SYM_PTR)),
                     3077
    661
   662
663
                     3078
                     3079
   664
665
                                                                                      .SYM_CHCOUNT(.SYM_PTR), SYM_NAME(.SYM_PTR),
                     3080
                                                                                      (.EXPR2-.SYM_VALUE(.SYM_PTR));
                     3081
   666
667
                     3082
                                                                 RETURN:
                     3083
                                                                END;
                                                      TEMP_PTR = .TEMP_PTR[PAL$L_FLINK];
    668
                     3084
   669
670
                     3085
                                                      END:
                     3086
                                           END:
   671
672
673
                     3087
                     3088
                     3089
                                  EXPRESSION DID NOT FALL WITHIN A PATCH AREA. THEREFORE, OUTPUT IT AS
   674
675
                      3090
                                  AN ABSOLUTE VALUE.
                      3091
   676
677
                     3092
3093
                                IF .EXPR2 EQL 0
                                THEN
    678
                     3094
                                           PATSFAO_PUT(EXP_STG, .EXPR1)
                     3095
    679
                                ELSE
                                           PAT$FAO_PUT(RAN_STG, .EXPR1, .EXPR2);
    680
                     3096
   681
682
683
                      3097
                      3098
                                RETURN:
                     3099
    684
                             1 END;
                     3100
                                                                                                                       ! END OF PATSOUT_PAL_EXP
```

```
PATSOUT_PAL_EXP, Save R2,R3,R4,R5,R6,R7
                                                                                                     2996
                  OOFC 00000
                                        .ENTRY
57 000000006
56 00000000
                    9E 00002
9E 00009
               EF
                                        MOVAB
                                                 PATSFAO_PUT, R7
               EF
                                        MOVAB
                                                 NAM OFF STG. R6
                                                                                                     3051
                                                 PATSGL PAL LHD, TEMP_PTR
54 0000000G
                                       MOVL
               EF
                    DO 00010
```

		55	04	ĄÇ	DQ 00	017		MOVL	EXPR1, R5	;	3059
				66 54	D5 00	01B 01D	1\$:	BEQL TSTL	JEMP_PTR	;	3062
	08	A4		62 55 57	D1 00	01F 021		BEQL CMPL	R5, 8(TEMP_PTR)	;	3065
	04	A4		55	D1 00	025		BGTRU CMPL	R5, 4(TEMP_PTR)	;	3066
	0000000G	EF	0000000G	EF 7c	DO 00	02B 02D 038		BLSSU MOVL CLRL	3\$ PAT\$GL_SYMHEAD, PAT\$GL_SYMTBPTR -(SP)	:	3069 3070
	0000000G	EF 52 53		7E 55 02 50 AC	DD 00 FB 00	03A 03C 043		PUSHL CALLS MOVL	R5 M2. PATSFIND VAL		3070
		53	0D 08	A2 AC 11	9E 00 D5 00	046 04A 04D		MOVAB TSTL	RO, SYM_PIR 13(R2), R3 EXPR2 2\$;	3074 3071
7E		55	08	À2 53	C3 00	04F		BNEQ SUBL3 PUSHL	B(SYM_PTR), R5, -(SP) R3	:	3075 3074
		7E	00	A2 53 A2 56	9A 00	056 05A		MOVZBL PUSHL	ÎZ(SYM_PTR), -(SP) R6		3073
		67		04	FB 00	05C 05F		CALLS RET	#4, PAT\$FAO_PUT		3074
7E	08	AC	08	A2 53		060	2\$:	SUBL3 PUSHL	8(SYM_PTR), EXPR2, -(SP) R3		3081 3080
7E		7E 55	0C 0 8	A2 53 A2 A2 53 A2	9A 00	860 060		MOVZBL SUBL3 PUSHL	12(SYM_PTR), -(SP) 8(SYM_PTR), R5, -(SP) R3		3079 3080
		7E	0 C 0 A	A2 A6	9A 00	073		MOVZBL PUSHAB	12(SYM_PTR), -(SP) NAM_OFF_RAN_STG		3077
		67	V A	07	FB 00	07A 07D		CALLS	#7, PATSFAO_PUT		3080 3068
		54		64 9A	DO 00	07E 081	3\$:	MÖVL BRB	(TEMP_PTR), TEMP_PTR 1\$		3084
			80	ÁC 09	D5 00 12 00	083	45:	TSTL BNEQ	EXPR2	:	3062 3092
		67	EE	55 A6 02	DD 00 9F 00 FB 00	880 08A 080		PUSHL PUSHAB CALLS	ŔŚ EXP_STG #2, PAT\$FAO_PUT		3094
			80	AC 55	DD 00	090	5 \$:	RET PUSHL	EXPR2		3096
		67	F4	A6 03	9F 00	094 1096 1099 1090		PUSHL PUSHAB CALLS RET	R5 RAN_STG #3, PAT\$FAO_PUT		3100

; Routine Size: 157 bytes, Routine Base: _PAT\$CODE + 02EC

```
1 GLOBAL ROUTINE PATSCLOSEFILES : NOVALUE =
                                                           ! CLOSE ALL OPEN FILES
        ! FUNCTIONAL DESCRIPTION:
                THIS ROUTINE CLOSES ALL THE OPEN FILES BEING USED BY PATCH.
          FORMAL PARAMETERS:
                NONE
          IMPLICIT INPUTS:
                 ALL FABS AND RABS MUST HAVE BEEN INITIALIZED.
          IMPLICIT OUTPUTS:
                NONE
          ROUTINE VALUE:
          COMPLETION CODES:
                NONE
          SIDE EFFECTS:
                 ALL FILES ARE CLOSED.
                IF ERRORS OCCUR, APPROPRIATE ERROR MESSAGES ARE OUTPUT TO THE JOURNAL FILE AND 'SYSSERROR'.
       BEGIN
        LITERAL
                 START OFF = 0.
                                                                             ! START VIR ADDR OFFSET
                                                                             ! END VIR ADDR OFFSET
                 END_OFF = 1;
        ! CLOSE OUTPUT COMMAND FILE, IF IT WAS OPEN.
                                                                             ! IF /COMMAND WAS SPECIFIED
        IF (.PATSGL_FLAGS AND PATSM_COMMAND) NEQ 0
                PATSGL_ERRCODE = $CLOSE(FAB=PATSGL_COMFAB);
IF NOT .PATSGL_ERRCODE
                                                                             ! CLOSE COMMAND FILE
                 THEN
                         SIGNAL(PATS_CLOSEOUT,1,GETFILDSC(PATSGL_COMFAB),.PATSGL_COMFAB[FAB$L_STS],.PATSGL_COMFAB[FAB
3150
                 END:
3151
        ! CLOSE JOURNAL FILE, IF OPEN.
3154
3155
        IF (.PATSGL_FLAGS AND PATSM_JOURNAL) NEQ 0
                                                                           ! IF JOURNAL IS OPEN
                 BEGIN
```

```
16-Sep-1984 00:06:01
14-Sep-1984 12:52:35
PATIO
                                                                                                          VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                                          DISKSVMSMASTER: [PATCH.SRC]PATIO.B32;1
                   3158
3159
                                      PATSGL_ERRCODE = $CLOSE(FAB=PATSGL_JNLFAB);
                                                                                                          ! CLOSE JOURNAL FILE
   744
                                      IF NOT .PATSGL_ERRCODE
                   3160
                                      THEN
                   3161
3162
3163
   7467
7489
7553
7557
7557
7558
760
                                                SIGNAL (PATS_CLOSEOUT, 1, GETFILDSC (PATSGL_JNLFAB), .PATSGL_JNLFAB[FABSL_STS], .PATSGL_JNLFAB[FAB
                                      END:
                   3164
3165
                             ! CLOSE INPUT IMAGE FILE, IF OPEN.
                   3166
3167
3168
3169
3170
3171
3172
                            IF (.PATSGL_FLAGS AND PATSM_INPUT) NEQ 0
                                                                                                        ! IF INPUT IMAGE FILE IS OPEN
                                      BEGIN
                                      PATSGL_ERRCODE = $DASSGN(CHAN=.PATSGL_CHANUM);
                                      IF NOT . PATSGL_ERRCODE
                                      THEN
                                                SIGNAL(PATS_CLOSEIN,1,GETFILDSC(PATSGL_OLDFAB),.PATSGL_ERRCODE,0);
                   3174
3175
                                      END:
                   3176
3177
   761
   762
763
                             ! CLOSE OUTPUT IMAGE FILE, IF OPEN.
                   3178
3179
3180
3181
3182
3183
3184
   764
                            IF (.PATSGL_FLAGS AND PATSM_OUTPUT) NEQ O
                                                                                                        ! IF OUTPUT IMAGE FILE IS OPEN
   765
   766
                                      BEGIN
                                      PATSGL_ERFCODE = $CLOSE(FAB=PATSGL_NEWFAB);
IF NOT .PATSGL_ERRCODE
   767
                                                                                                          ! CLOSE OUTPUT IMAGE FILE
   768
   769
                                      THEN
   770
                   3185
                                                SIGNAL(PATS_CLOSEOUT, 1, GETFILDSC(PATSGL_NEWFAB), .PATSGL_NEWFAB[FAB$L_STS], .PATSGL_NEWFAB[FAB
   771
                   3186
                                      END:
   772
                   3187
                   3188
   774
775
                   3189
                            ! CLOSE OTHER MESSAGE CHANNELS.
                   3190
                   3191
                            $CLOSE(FAB=PAT$GL_INPFAB);
$CLOSE(FAB=PAT$GL_OUTFAB);
                                                                                                            CLOSE INPUT COMMAND FILE
   776
                   3192
   777
778
                                                                                                            CLOSE OUTPUT INFORMATION FILE
                                                                                                          ! CLOSE ERROR FILE
                   3193
                            $CLOSE(FAB=PAT$GL_ERRFAB);
   779
                   3194
                          1 END;
   780
                   3195
                                                                                                          ! END OF PATSCLOSEFILES
                                                                                         .EXTRN SYSSCLOSE, SYSSDASSGN
                                                                                                  PATSCLOSEFILES, Save R2,R3,R4,R5,R6,R7,R8,- ; 3101
                                                                  07FC 00000
                                                                                         .ENTRY
                                                                                                   R9,R10
                                               5A 00000000G
                                                                    9E 00002
                                                                                         MOVAB
                                                                                                  PATSGL_NEWFAB, R10
                                                                                                  PATSGL JNLFAB, R9 #PATS CLOSEOUT, R8
                                               59 00000000G
                                                                    9E 00009
                                                                                         MOVAB
                                               58 00000000G
                                                                8F
                                                                    DO 00010
                                                                                         MOVL
                                                                                                  PATSGL_COMFAB, R7
PATSGL_FLAGS, R6
LIB$SIGNAL, R5
                                                  0000000G
                                                                EF
                                                                     9E
                                                                        00017
                                                                                         MOVAB
                                                  00000006
                                                                     9E
                                                                        0001E
                                                                                         MOVAB
                                                  000000006
                                                                00
                                                                    9E 00025
                                                                                         MOVAB
                                                                EF
00
EF
                                                  0000000G
                                                                     9E
                                                                        00020
                                                                                         MOVAB
                                                                                                   GETFILDSC, R4
                                                  00000000G
                                                                        00033
                                                                                                   SYSSCLOSE, R3
                                                                    9E
                                                                                         MOVAB
                                                                                                  PATSGL_ERRCODE, R2
PATSGL_FLAGS, 18
                                                  0000000G
                                                                    9E 0003A
                                                                                         MOVAB
```

63

E9 00041

DD 00044

00046

FB

BLBC

PUSHL

CALLS

#1, SYSSCLOSE

VC

PAT10 V04-000		16-Sép-1984 00:06:01 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:52:35 DISK\$VMSMASTER:[PATCH.SRC]PATIO.B32;1	e 24 (8)
	62 50 DO 000 12 62 E8 000 7E 08 A7 7D 000 57 DD 000 64 01 FB 000 50 DD 000	C BLBS PATSGL_ERRTODE, 1\$ F MOVQ PATSGL_COMFAB+8, -(SP) PUSHL R7 CALLS #1, GETFILDSC PUSHL R0	3147 3149
10	59 DD 000 63 01 FB 000 62 50 DO 000	C PUSHL R8 CALLS #5, LIB\$SIGNAL CALLS #5, LIB\$SIGNAL CALLS #1, PAT\$GL_FLAGS, 2\$ PUSHL R9 CALLS #1, SYS\$CLOSE MOVL RO, PAT\$GL_ERRCODE	3155 3158
	59 DD 000 64 01 FB 000 50 DD 000 01 DD 000	76 CALLS #1, GETFILDSC; 79 PUSHL RO; 7B PUSHL #1;	3159 3161
00000000G	00000000G EF DD 000	7F CALLS #5, LIB\$SIGNAL B2 2\$: BBC #2, PAT\$GL FLAGS, 3\$; B6 PUSHL PAT\$GL CHANUM BC CALLS #1, SYS\$DASSGN 93 MOVL RO, PAT\$GL ERRCODE;	3167 3170
	7E D4 000 62 DD 000 00000000G EF 9F 000 64 01 FB 000 50 DD 000	79 CLRL -(SP) ; PB PUSHL PAT\$GL_ERRCODE ; PD PUSHAB PAT\$GL_OLDFAB ; A3 CALLS #1, GETFILDSC ; A6 PUSHL RO ;	3171 3173
10	00000000G 8F DD 000 65 05 FB 000 66 03 E1 000 5A DD 000	AÄ PÜSHL #PAT\$_CLOSEIN BO CALLS #5, LIB\$SIGNAL B3 3\$: BBC #3, PAT\$GL_FLAGS, 4\$ B7 PUSHL R10 B9 CALLS #1, SYS\$CLOSE	3179 3182
	63 01 FB 000 62 50 D0 000 12 62 E8 000 7E 08 AA 7D 000 5A DD 000 64 01 FB 000 50 DD 000	BF BLBS PAT\$GL_ERRCODE, 4\$ C2 MOVQ PAT\$GL_NEWFAB+8, -(SP) C6 PUSHL R10 C8 CALLS #1, GETFILDSC CB PUSHL R0	3183 3185
	63 00000000	CF PUSHL R8 D1 CALLS #5, LIB\$SIGNAL D4 4\$: PUSHAB PAT\$GL INPFAB DA CALLS #1, SYS\$CLOSE DD PUSHAB PAT\$GL OUTFAB	3191 3192
; Routine Size: 240 bytes, Routin	63 01 FB 000 00000000G EF 9F 000 63 01 FB 000 04 000 e Base: _PAT\$CODE + 0389	ES CALLS #1, SYS\$CLOSE E6 PUSHAB PAT\$GL ERRFAB EC CALLS #1, SYS\$CLOSE	3193 ¹ 3195

I 5 16-Sep-1984 00:06:0 14-Sep-1984 12:52:

VAX-11 Bliss-32 V4.0-742 Page 25 DISK\$VMSMASTER:[PATCH.SRC]PATIO.B32;1 (9)

! END OF PATIO

.EXTRN LIB\$SIGNAL

PSECT SUMMARY

PAT\$PLIT
PAT\$CODE
Attributes

76 NOVEC.NOWRT, RD .NOEXE.NOSHR, LCL. REL, CON.NOPIC.ALIGN(0)
1145 NOVEC.NOWRT, RD . EXE.NOSHR, LCL. REL, CON.NOPIC.ALIGN(2)
0 NOVEC.NOWRT,NORD .NOEXE.NOSHR, LCL, ABS, CON.NOPIC.ALIGN(0)

Library Statistics

File Total Loaded Percent Mapped Time

\$\frac{1}{2}\$ \text{255\$DUA28:[SYSLIB]LIB.L32;1} \text{18619} \text{21} \text{0} \text{1000} \text{00:01.9}

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE, /VARIANT: 1/LIS=LIS\$:PATIO/OBJ=OBJ\$:PATIO MSRC\$:PATIO/UPDATE=(ENH\$:PATIO)

Size: 1145 code + 76 data bytes Run Time: 00:36.8

3196 1 END 3197 0 ELUDOM

Run Time: 00:36.8 Elapsed Time: 02:07.7 Lines/CPU Min: 5219 Lexemes/CPU-Min: 38275 Memory Used: 225 pages Compilation Complete

PATIO V04-000

0302 AH-BT13A-SE

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